

ABSTRACT AND KEYWORDS

INTRODUCITON : The Anterior tibial artery is one of the terminal branches of popliteal artery. It enters the anterior compartment of leg by piercing the interosseus membrane and gives many branches. It continues in the foot as Dorsalis pedis artery.

AIM OF THE STUDY : The study of Anterior tibial artery is useful for surgeons, plastic surgeons and Orthopaedicians. The Anterior Tibial Artery is more prone for injuries, atherosclerosis and Thrombo angitans obliterans. The Knowledge about variations of the artery is needful for Orthopaedicians for doing osteotomy surgeries.

MATERIALS AND METHODS : By both Conventional dissection method and retrospective computerised tomographic angiogram study.

PARAMETERS : The Anterior tibial artery was studied under the following parameters :

- Origin of the artery
- Course and relations
- Length of the artery
- Diameter of the artery
- Branches
- Continuation as Dorsalis pedis artery
- Presence or absence of the artery.

OBSERVATION : Some variations of this artery were noted during this study.

DISCUSSION : The variations noted in this study were compared with other studies.

CONCLUSION : Thus, knowledge about Anterior tibial artery is necessary for surgeons, plastic surgeon and orthopaedicians and clinicians of many fields.

KEYWORDS : Anterior Tibial Artery, Popliteal Artery, Orthopaedicians surgeons, Variations.